



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION
NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

Air Flow Company, Inc.
850 West Fullerton Ave.
Addison, IL 60101

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Aluminum Stationary Louver

APPROVAL DOCUMENT: Drawing No. **08-01674**, titled "Aluminum Stationary Louvers Large Missile Impact", sheets 1 through 6 of 6, dated 07/16/2012, prepared by the manufacturer, signed and sealed by Luis R. Lomas, P.E., bearing the Miami-Dade County Product Control renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **renews NOA # 05-1110.01** and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**



[Signature]
09/27/2012

NOA No. 12-0320.27
Expiration Date: May 24, 2017
Approval Date: October 4, 2012
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **08-01674**, titled "Aluminum Stationary Louvers Large Missile Impact", sheets 1 through 6 of 6, dated 07/16/2012, prepared by the manufacturer, signed and sealed by Luis R. Lomas, P.E.

B. TESTS *"Submitted under NOA # 05-1110.01"*

1. Testing report on Large Missile Impact Test per FBC, TAS 201, Uniform Static Air Pressure per FBC, TAS 202 and Cyclic Wind Pressure Loading per FBC, TAS 203 of aluminum stationary louvers, prepared by Certified Testing Laboratories, Report No. **CTLA-1371W**, dated 07/29/2005, signed and sealed by Ramesh Patel, P.E.

C. CALCULATIONS *"Submitted under NOA # 05-1110.01"*

1. Anchor calculations for single and triple Aluminum Stationary Louver Series: EA-403 and EA-623, prepared by PTC Engineering, Inc., dated 10/05/2005, signed and sealed by Luis R. Lomas, P.E.

D. QUALITY ASSURANCE

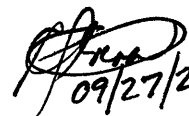
1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

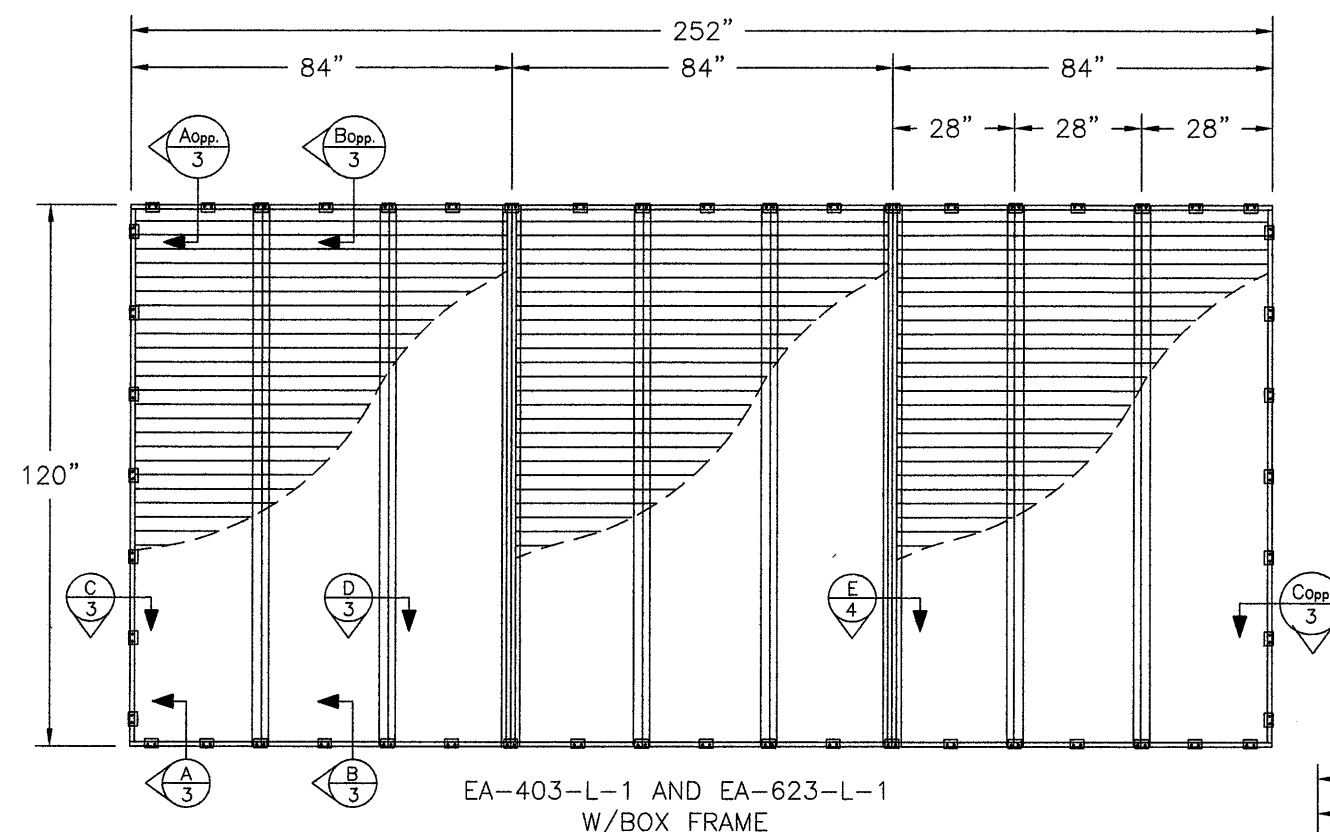
1. Statement letter of code conformance to the 2007 and 2010 FBC and no financial interest, issued by L. Roberto Lomas, P.E., dated 07/16/2012, signed and sealed by Luis R. Lomas, P.E.
- "Submitted under NOA # 05-1110.01"*
2. Code compliance letter issued by PTC Engineering, Inc., dated 10/25/2005, signed and sealed by Luis R. Lomas, P.E.



09/27/2012

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 12-0320.27
Expiration Date: May 24, 2017
Approval Date: October 4, 2012

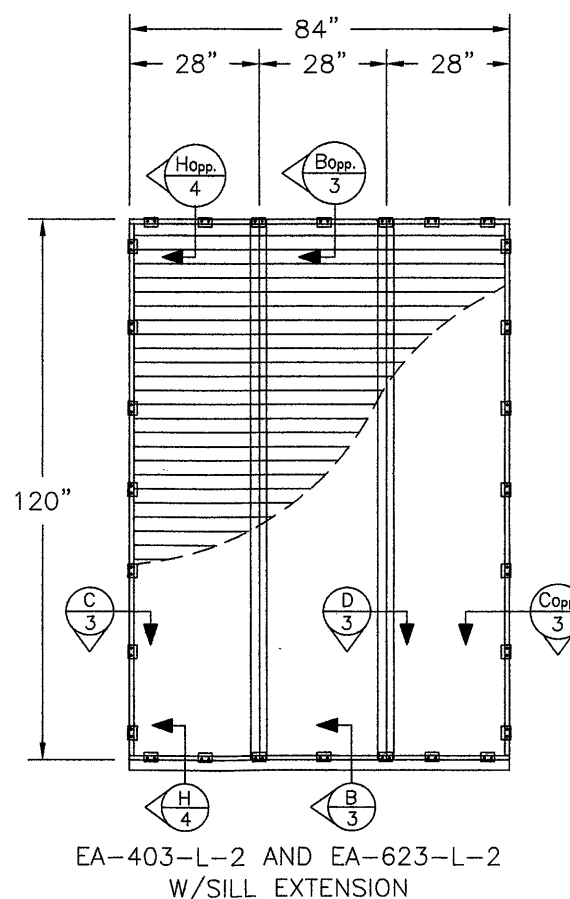
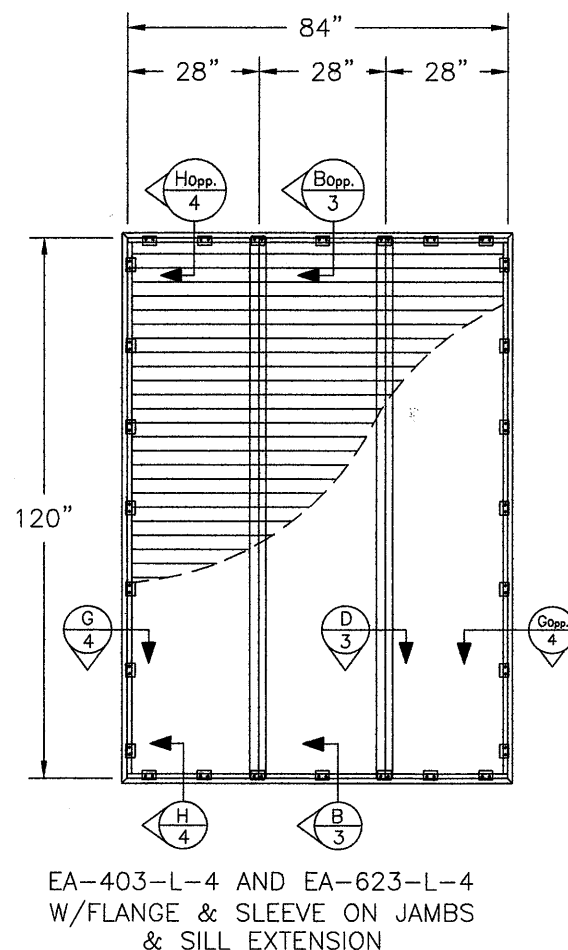
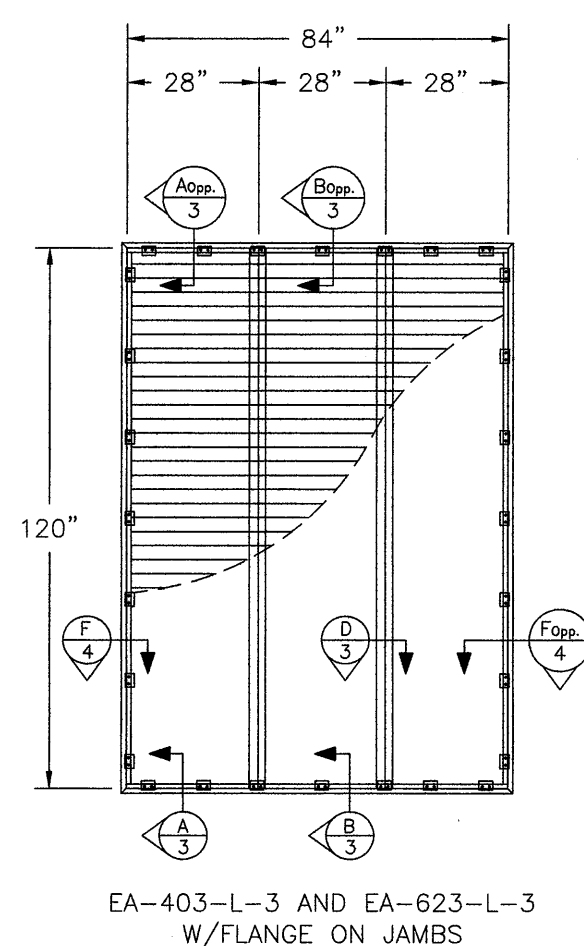
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



GENERAL NOTES:

- 1) THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE REQUIREMENTS OF THE 2007 AND 2010 FLORIDA BUILDING CODE, INCLUDING THE HVHZ
- 2) WOOD BUCK OR STUD FRAMING TO BE DESIGNED AND ANCHORED PROPERLY TO TRANSFER ALL LOADS TO STRUCTURE, BUCK OR FRAMING IS RESPONSIBILITY OF ARCHITECT OF RECORD.
- 3) PRODUCTS ARE APPROVED FOR USE WHERE LARGE MISSILE IMPACT RESISTANCE IS REQUIRED. IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED.
- 4) SEE DESIGN PRESSURE RATINGS IN CHART ON THIS SHEET.
- 5) FRAME CORNERS ARE MITERED, BUTTED AND WELDED.
- 6) CAULK THOROUGHLY ALL AROUND THE EXTERIOR PERIMETER OF LOUVERS WITH SAME COLOR AS THE LOUVERS, PROVIDE BACKER ROD BEFORE CAULKING.
- 7) PROVIDE BITUMINOUS MATERIAL TIN BETWEEN DISSIMILAR METALS TO AVOID CORROSION.
- 8) ALL EA-403 LOUVERS UTILIZE A 2" HIGH X 4" DEEP TOP FRAME MEMBER.
ALL EA-623 LOUVERS UTILIZE A 2" HIGH X 6" DEEP TOP FRAME MEMBER.
- 9) LOUVERS ARE TO BE INSTALLED IN A LOCATION WHERE ROOM BEHIND THE LOUVER IS DESIGNED TO DRAIN WATER PENETRATING INTO THE ROOM AND THE ROOM WILL HOUSE WATER RESISTANT/WATER PROOFING EQUIPMENT, COMPONENTS OR SUPPLIES.

DESIGN PRESSURE RATING	IMPACT RATING
±120.0PSF	LARGE AND SMALL MISSILE IMPACT



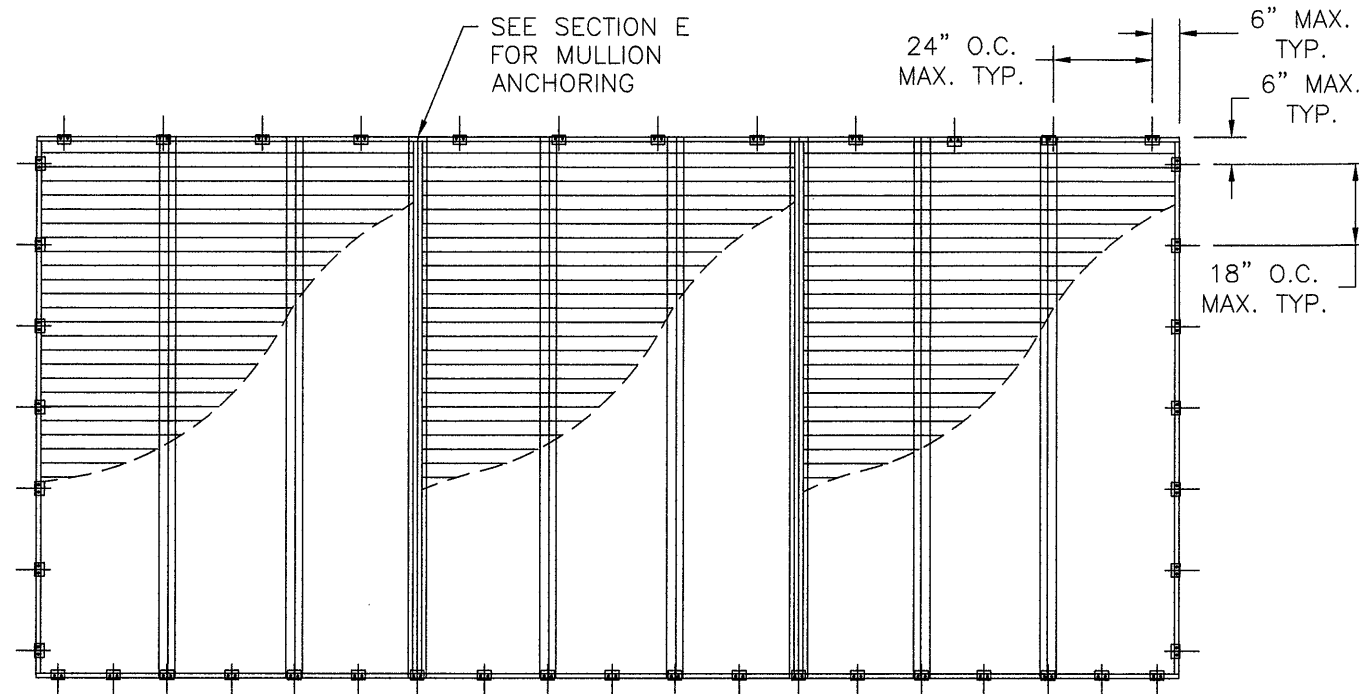
PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 12-0320.27
Expiration Date 05/24/2017
By *[Signature]*
Miami Trade Product Control

AIR FLOW COMPANY INC.
850 W FULLERTON AVE
ADDISON, IL 60101

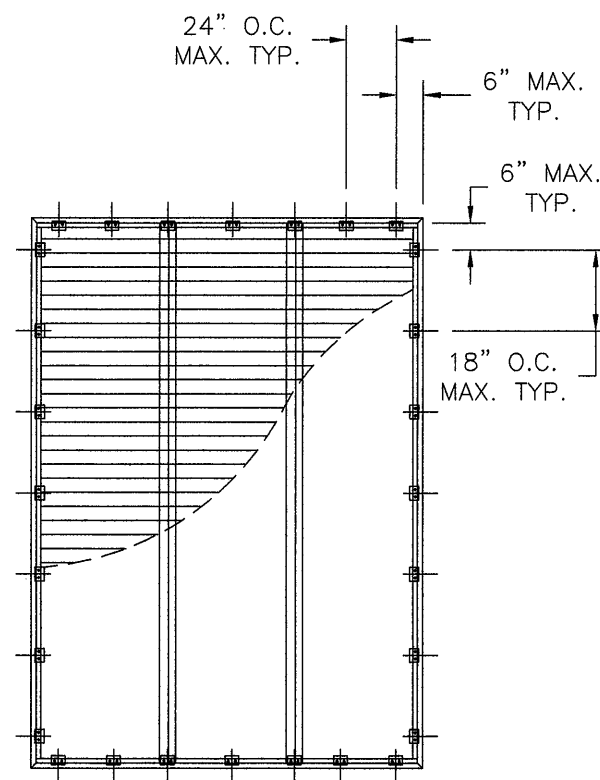
ALUMINUM STATIONARY LOUVERS
LARGE MISSILE IMPACT
ELEVATIONS AND GENERAL NOTES

DRAWN: R.L.	DWG NO. 08-01674	REV -
SCALE NTS	DATE 07/16/12	SHEET 1 OF 6

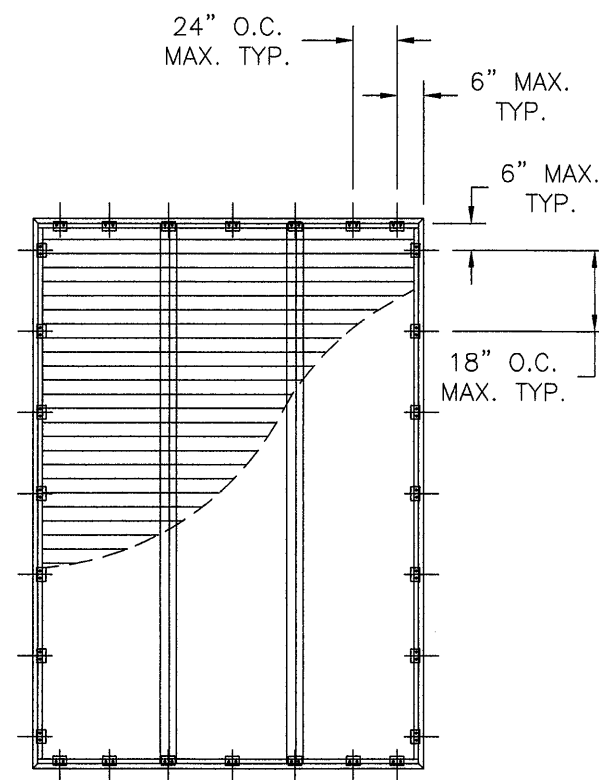
[Signature]
07/19/12
Luis R. Lomas P.E.
FL No.: 62514



EA-403-L-1 & EA-623-L-1
W/BOX FRAME



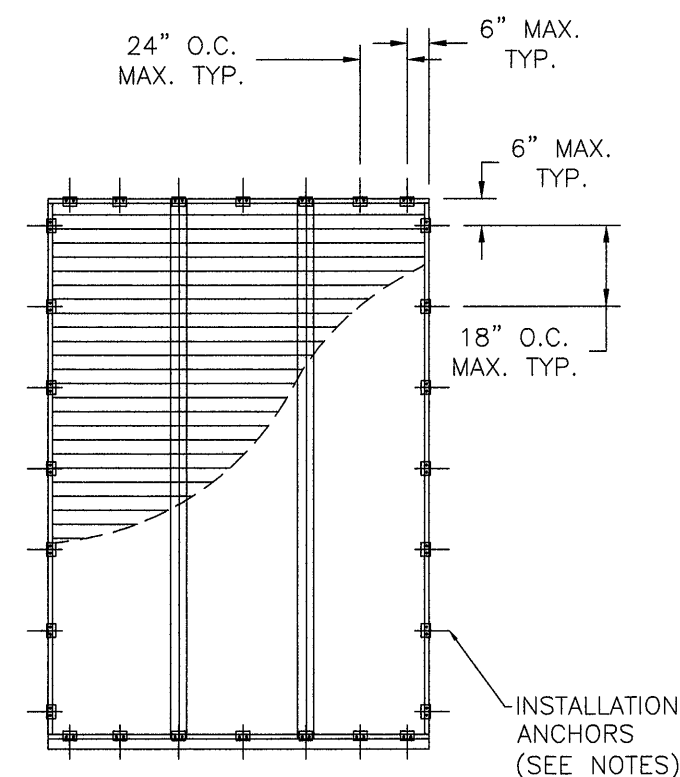
EA-403-L-3 & EA-623-L-3
W/FLANGE ON JAMBS



EA-403-L-4 & EA-623-L-4
W/FLANGE & SLEEVE ON JAMBS
& SILL EXTENSION

ANCHORING NOTES:

- 1) ONE (1) ANCHOR IS REQUIRED AT EACH LOCATION SHOWN. SHIM AS REQUIRED AT EACH SET OF INSTALLATION ANCHORS USING LOAD BEARING SHIMS. MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4". USE SHIMS WHERE SPACE GREATER THAN 1/16" IS PRESENT.
- 2) FOR 2000 PSI MINIMUM CONCRETE SUBSTRATES USE 3/8" DIAMETER POWER-BOLT, WITH A 2" MINIMUM EMBEDMENT. AT HEAD AND SILL LOCATE ANCHORS 6" FROM EACH CORNER AND 24" MAXIMUM ON CENTER THEREAFTER. AT JAMBS LOCATE ANCHORS 6" FROM EACH CORNER AND 18" MAXIMUM ON CENTER THEREAFTER. AT MULLION AREA LOCATE ANCHORS FROM MOUNTING ANGLES.
- 3) FOR WOOD FRAMING SUBSTRATES USE 3/8" DIAMETER LAG BOLT, WITH A 3" MINIMUM EMBEDMENT. AT HEAD AND SILL LOCATE ANCHORS 6" FROM EACH CORNER AND 24" MAXIMUM ON CENTER THEREAFTER. AT JAMBS LOCATE ANCHORS 6" FROM EACH CORNER AND 18" MAXIMUM ON CENTER THEREAFTER. AT MULLION AREA USE 1/2" DIAMETER LAG BOLT, WITH A 4" MINIMUM EMBEDMENT; LOCATE ANCHORS FROM MOUNTING ANGLES.



EA-403-L-2 & EA-623-L-2
W/SILL EXTENSION

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

PRODUCT RENEWED
as complying with the Florida
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Expiration Date 05/24/2017
By *[Signature]*
Miami/Dade Product Control

AIR FLOW COMPANY INC.
850 W FULLERTON AVE
ADDISON, IL 60101

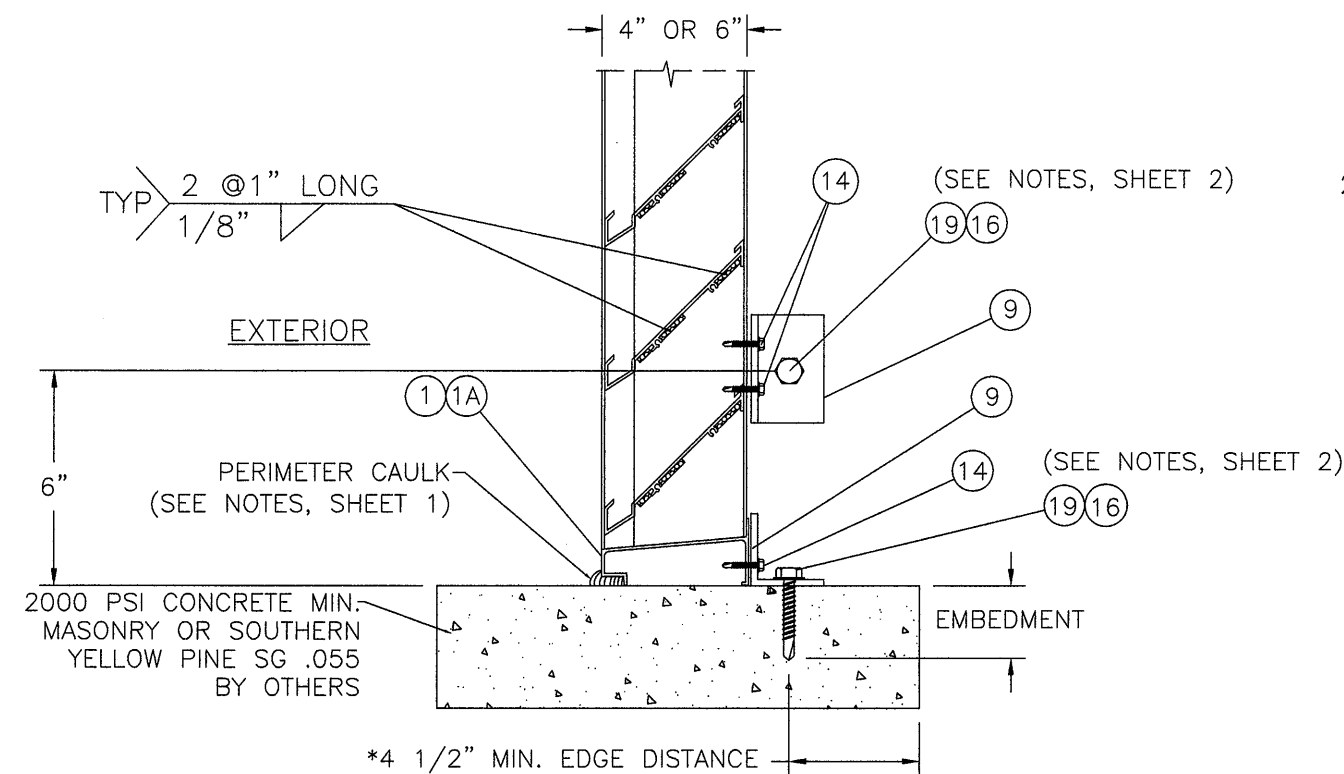
ALUMINUM STATIONARY LOUVERS
LARGE MISSILE IMPACT
ANCHORING DETAILS AND NOTES

DRAWN: R.L.	DWG NO. 08-01674	REV -
SCALE NTS	DATE 07/16/12	SHEET 2 OF 6

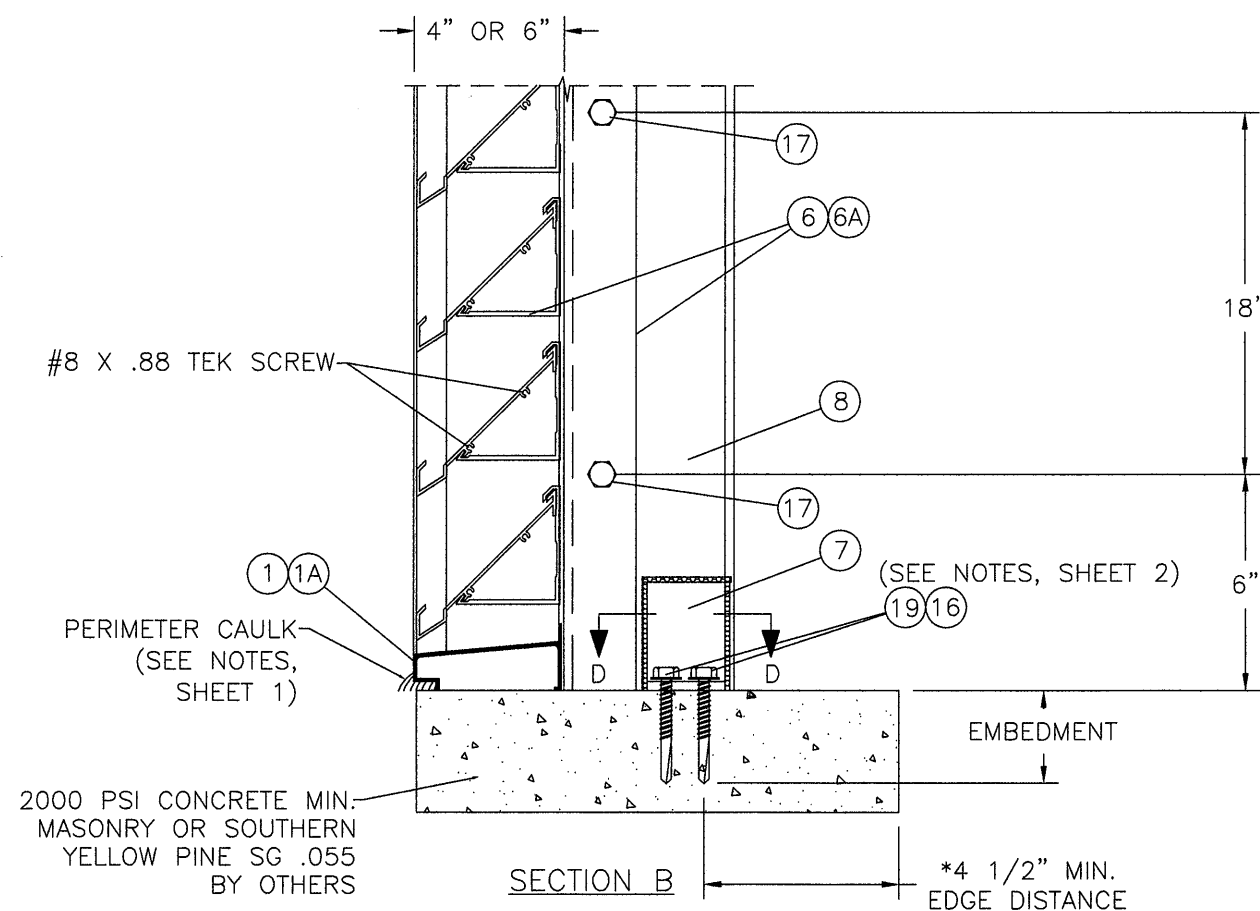
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07/19/12

Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

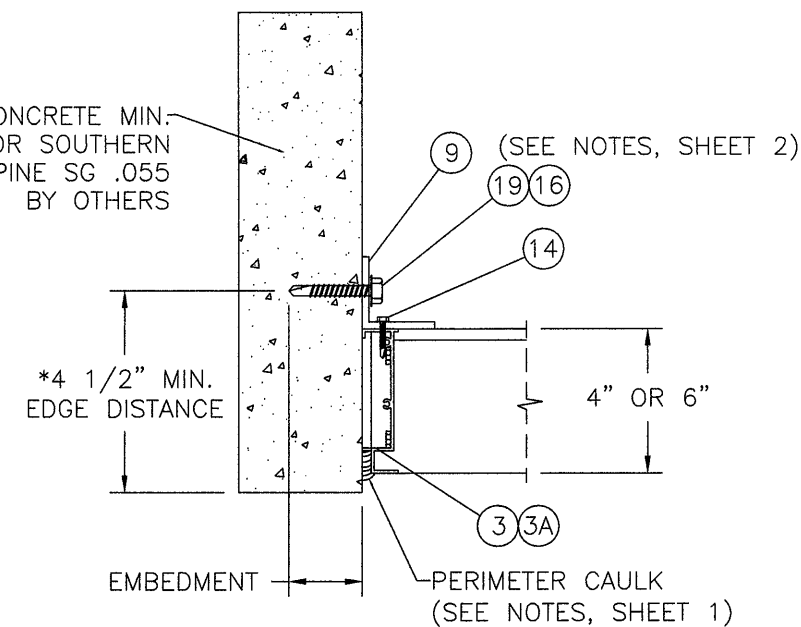


SECTION A

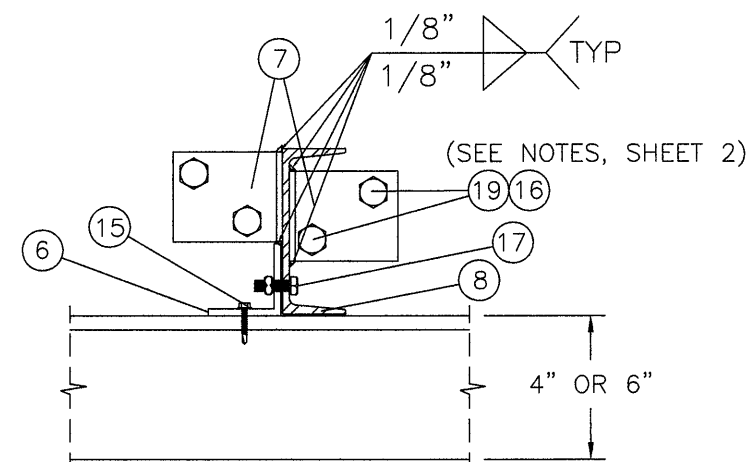


SECTION B

2000 PSI CONCRETE MIN.
MASONRY OR SOUTHERN
YELLOW PINE SG .055
BY OTHERS



SECTION C



SECTION D
AND
SECTION D-D

* MINIMUM EDGE DISTANCE FOR 3/8" LAG
SCREW IS 2 INCHES.

AIR FLOW COMPANY INC.
850 W FULLERTON AVE
ADDISON, IL 60101

ALUMINUM STATIONARY LOUVERS
LARGE MISSILE IMPACT
INSTALLATION DETAILS MASONRY

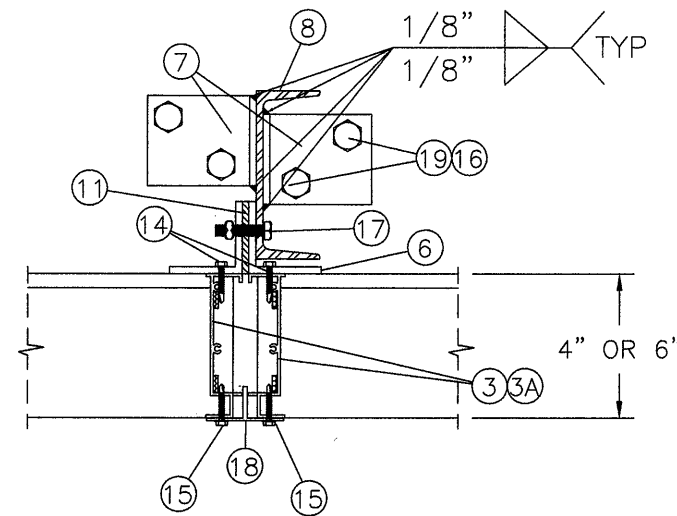
DRAWN: R.L.	DWG NO. 08-01674	REV -
SCALE NTS	DATE 07/16/12	SHEET 3 OF 6

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 12-0320.27
Expiration Date 05/24/2017
By *[Signature]*
Miami Blade Product Control

[Signature]
07/19/12

Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



SECTION E

2000 PSI CONCRETE MIN.
MASONRY OR SOUTHERN
YELLOW PINE SG .055
BY OTHERS

*4 1/2" MIN.
EDGE DISTANCE

PERIMETER CAULK
(SEE NOTES, SHEET 1)

EMBEDMENT

(SEE NOTES, SHEET 2)

2 @ 1" LONG
1/8" TYP

SECTION F

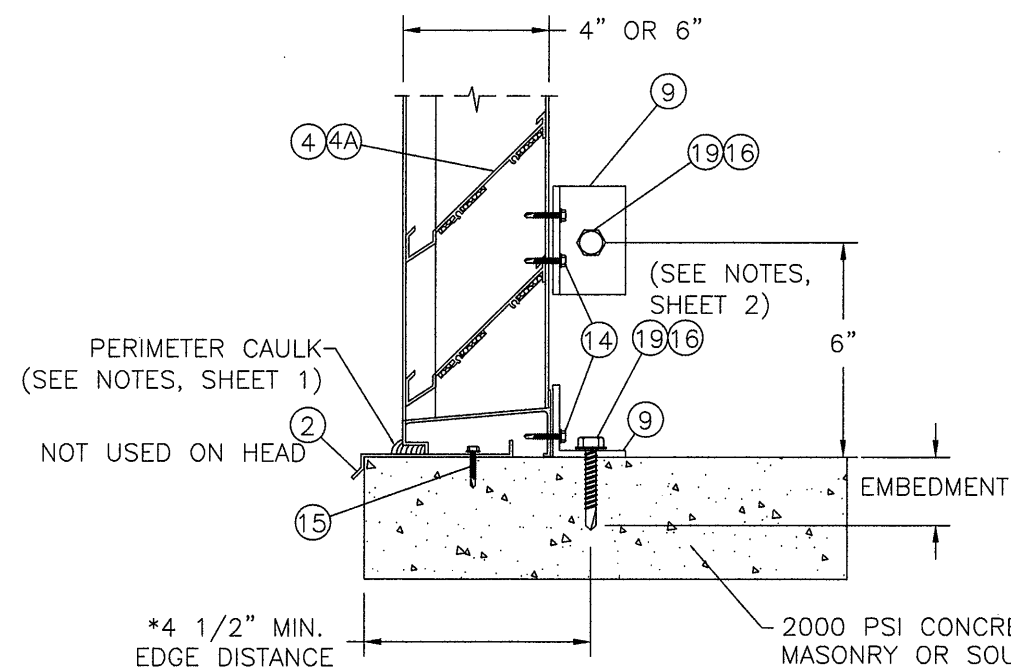
*3" MIN. EDGE DISTANCE
(SEE NOTES, SHEET 2)

EMBEDMENT

2000 PSI CONCRETE MIN.
MASONRY OR SOUTHERN
YELLOW PINE SG .055
BY OTHERS

PERIMETER CAULK
(SEE NOTES, SHEET 1)

SECTION G



SECTION H

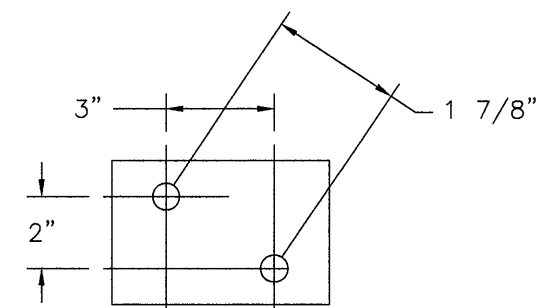
2000 PSI CONCRETE MIN.
MASONRY OR SOUTHERN
YELLOW PINE SG .055
BY OTHERS

*4 1/2" MIN.
EDGE DISTANCE

PERIMETER CAULK
(SEE NOTES, SHEET 1)

NOT USED ON HEAD

EMBEDMENT



MULLION V. SUPPORT CLIP
3" X 3" X 3/16" X 2"

* MINIMUM EDGE DISTANCE FOR 3/8" LAG
SCREW IS 2 INCHES.

AIR FLOW COMPANY INC.

850 W FULLERTON AVE
ADDISON, IL 60101

ALUMINUM STATIONARY LOUVERS
LARGE MISSILE IMPACT
INSTALLATION DETAILS MASONRY

DRAWN: R.L.	DWG NO. 08-01674	REV -
SCALE NTS	DATE 07/16/12	SHEET 4 OF 6

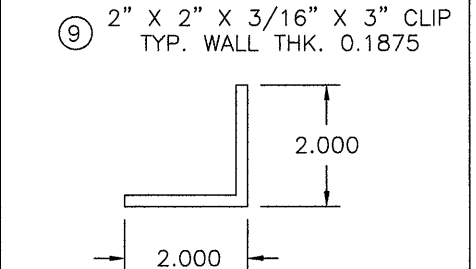
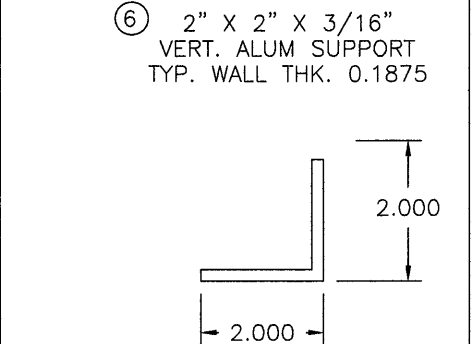
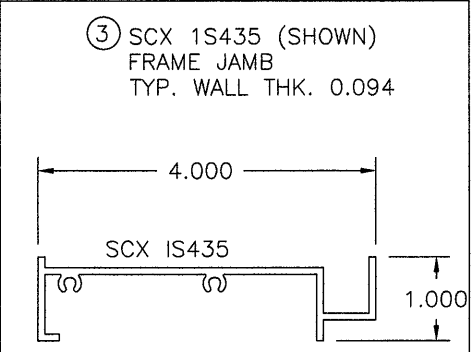
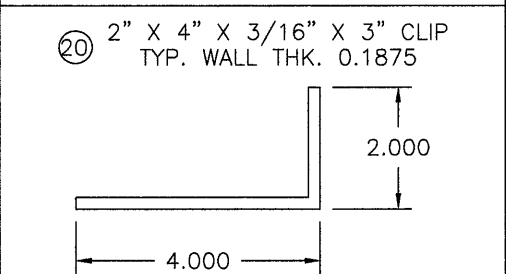
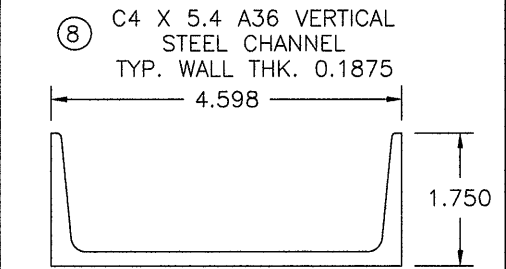
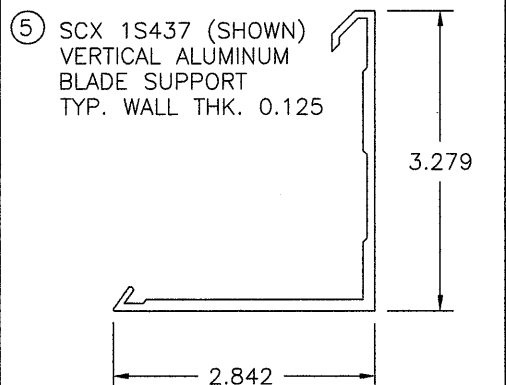
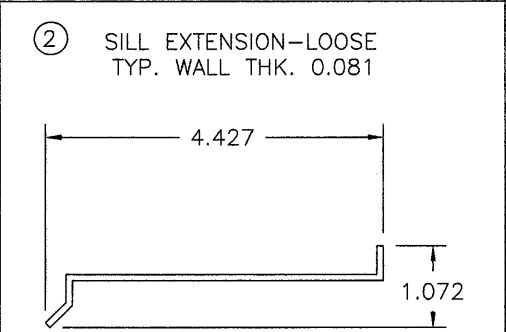
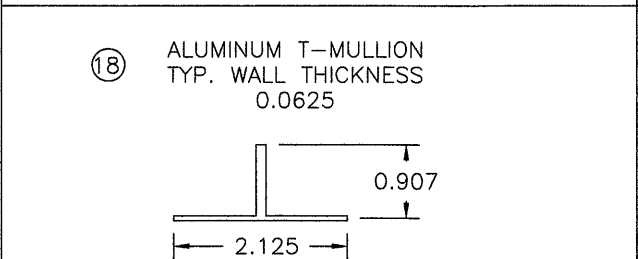
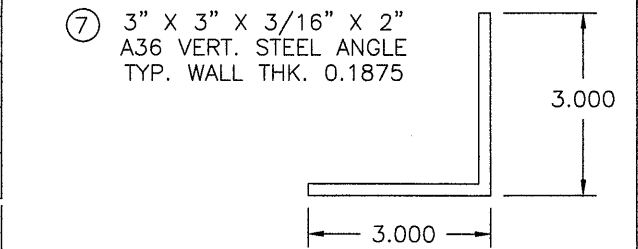
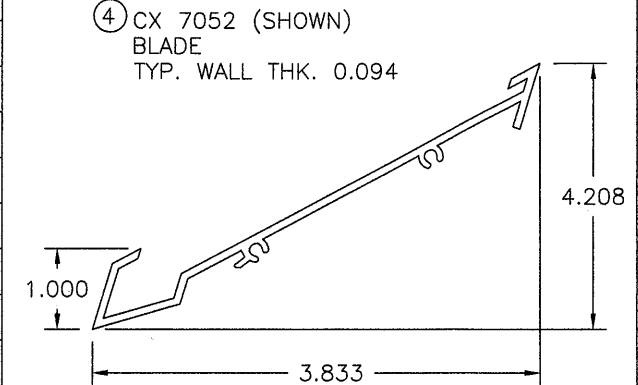
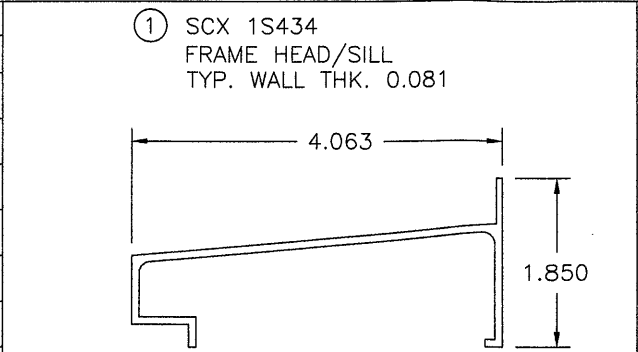
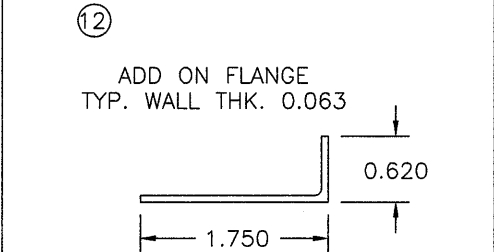
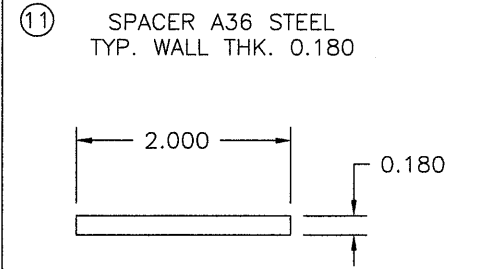
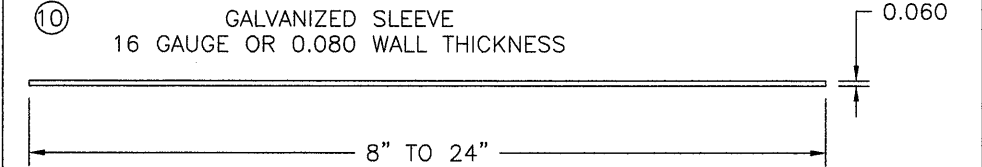
PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 12-0320.27
Expiration Date 05/24/2017
By *[Signature]*
Miami Trade Product Control

[Signature]
07/19/12

Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

BILL OF MATERIAL		
ITEM #	DESCRIPTION	MATERIAL
1/1A	FRAME HEAD/SILL	6063-T5
2	SILL EXTENSION - LOOSE	6063-T5
3/3A	FRAME JAMB	6063-T5
4/4A	BLADE	6063-T5
5/5A	BLADE SUPPORT	6063-T5
6	2" X 2" 3/16" VERTICAL ALUMINUM SUPPORT	6063-T5
7	3" X 3" 3/16" X 2" A36 STEEL ANGLE	A36
8	C4 X 5.4 A36 VERTICAL STEEL CHANNEL	A36
9	2" X 2" 3/16" 3" CLIP	6063-T5
10	GALVANIZED SLEEVE	A36
11	SPACER	A36
12	ADD ON FLANGE	6063-T5
13	1/2" DIA. X 3" LAG BOLT (1) PER CLIP	
14	#12-14 X 1 1/2" SELF TAPPING SCREW (2) PER CLIP	
15	#10 X 1" SELF TAPPING SCREW @ 12" O.C.	
16	3/8" DIA. LAG BOLT W/3" MIN. EMBEDMENT	
17	3/8" DIA. X 2" BOLT & NUT 18" O.C.	
18	ALUMINUM T-MULLION, DECORATIVE ONLY	6063-T5
19	3/8" DIA. X 3" POWER BOLT	
20	2" X4" X 3/16" X 3" CLIP	6063-T5



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Expiration Date 05/24/2017

By

Miami Dade Product Control

AIR FLOW COMPANY INC.

850 W FULLERTON AVE

ADDISON, IL 60101

ALUMINUM STATIONARY LOUVERS

LARGE MISSILE IMPACT

BOM AND COMPONENTS

DRAWN:

R.L.

SCALE NTS

DWG NO.

08-01674

DATE 07/16/12

REV

-

SHEET 5 OF 6

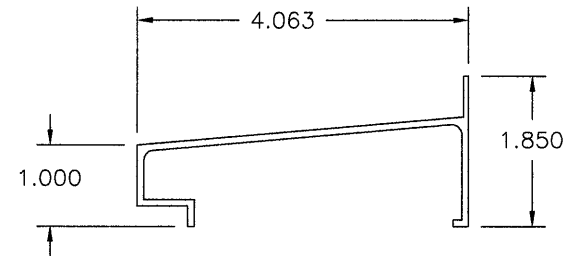
07/19/12

Luis R. Lomas P.E.

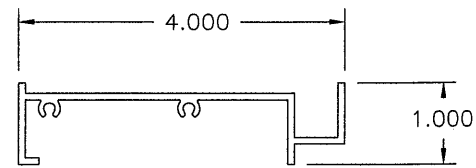
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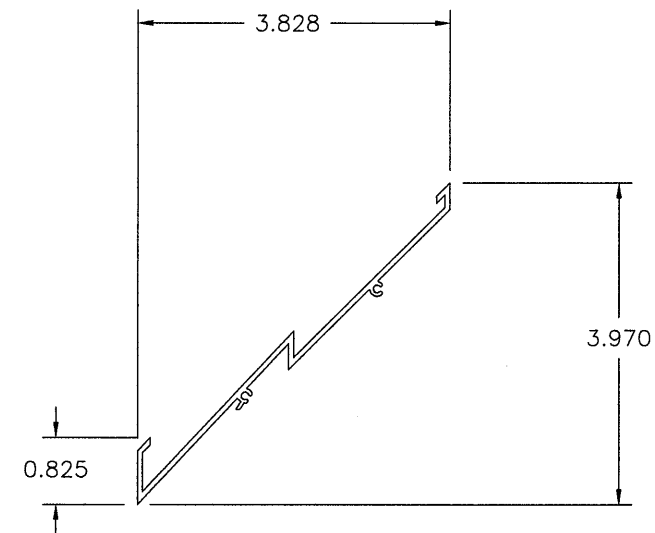
①A SCX 1S432 (NOT SHOWN)
FRAME HEAD/SILL
TYP. WALL THK. 0.081



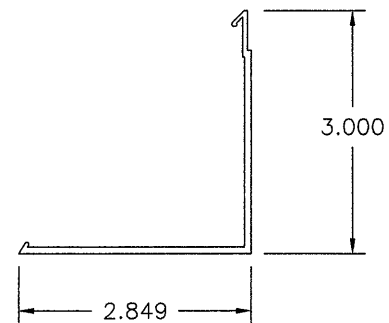
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FRAME JAMB
TYP. WALL THK. 0.094



④A CX 6610 (NOT SHOWN)
BLADE
TYP. WALL THK. 0.094



⑤A CX7450 (NOT SHOWN)
VERTICAL ALUMINUM
BLADE SUPPORT
TYP. WALL THK. 0.125



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ALUMINUM STATIONARY LOUVERS
LARGE MISSILE IMPACT
COMPONENTS

DRAWN: R.L.	DWG NO. 08-01674	REV -
SCALE NTS	DATE 07/16/12	SHEET 6 OF 6

[Signature]
07/19/12

Luis R. Lomas P.E.
FL No.: 62514